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Patent
Case No.: 59234US008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: SOGLOWEK, WOLFGANG
Patent No.: 6852775 Application No.: 10/018660
Dated: February 8, 2005 Confirmation No. 2176
Title: POLYMERIZABLE DENTAL COMPOSITIONS

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322

Commissioner for Patents
Office of Publication
Attn: Certificate of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

Because the listed errors first occurred in the printed patent, and are not due to Applicant's mistake, no fee is required in connection with this Certificate of Correction.

Fees

- ☒ Any required fee will be made at the time of submission via EFS-Web. In the event fees are not or cannot be paid at the time of EFS-Web submission, please charge any fees under 37 CFR § 1.20(a) which may be required to Deposit Account No. 13-3723.
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Respectfully submitted,

Feb. 12, 2008
Date

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CERTIFICATE OF CORRECTION

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PATENT NO.: 6852775
DATED: February 8, 2005
FIRST NAMED INVENTOR: SOGLOWEK, WOLFGANG

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Lines 41-47, delete "acceptable in the dental ----- pulpa." and insert the following paragraphs:

When using these materials the monomers are mixed with suitable initiator systems shortly before being processed, a pasty composition forming which cures by radical polymerisation. The original components, which contain monomer and initiator systems among others, can also be present in the form of pastes spatially separated from each other or also as a powder-liquid system.

Various initiator systems are used to start the radical polymerisation. It is necessary that, after the polymerisation has started, the processing time until the material is cured is long enough to give the dentist enough time for the material to be matched and made available for processing. At the same time, however, the setting time from the beginning of gelling to an extensive curing of the material is also to be as short as possible, as working is not possible during this phase and the waiting time for the dentist and the patient should be as short as possible.

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PATENT NO. 6852775

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PATENT NO.: 6852775
DATED: February 8, 2005
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CONTINUED FROM PREVIOUS PAGE

An initiator system already known for a long time consists of an amine and a peroxide component, such as described e.g. in patent specification DE-C-975 072. The polymerisation is started in this case by the peroxide compound. A tertiary amine is used for example to accelerate the polymerisation. Another such system is also described by Albert GroB in "Quintessenz der Zahntechnik", 1977, 7, Paper No. 293. There, secondary or tertiary amines accelerate the decomposition of the peroxide component, which triggers the polymerisation of the material. The amine component is normally introduced into a paste, the so-called base paste. This base paste also contains the monomers provided for polymerisation. The peroxide component is introduced into a further paste, the so-called catalyst paste. The spatial separation of the two initiator components is necessary in order to avoid a premature curing of the monomer portions. Also described in the German patent specification DE-C-955 633 is a similar initiator system for the polymerisation of unsaturated hydrocarbons which contains heavy metals as well as an amine and a sulphone component. An initiator system with an organic peroxide compound and a tertiary aromatic amine as activator (accelerator) is also named in the European patent specification EP-13-374 824.

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CONTINUED FROM PREVIOUS PAGE

A disadvantage of the materials named is that the amines suitable for a favourable setting phase tend to discolour. These yellow-brown discolorations are however not acceptable in the dental field. In addition, tertiary aromatic amines can be used only under certain conditions due to their health risk. Furthermore, the increase in temperature during polymerisation of these systems, due to the exothermic reaction processes, causes problems. Too great a development of heat can lead to damage to the patient's pulpa.

Column 4

Line 2, after "14" insert - - , - -.

Column 8

Line 46, in Claim 15, delete "0.5" and insert - - 0.05 - -, therefor.

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